



Application Number: 09/719,960

Docket: 14249

--ABSTRACT OF THE DISCLOSURE

The present invention is directed to an apparatus for simultaneously monitoring an array of reaction sites for light indicating that a reaction is taking place at a particular site. The apparatus comprises a charge-coupled device (CCD) arranged so that in use the light from a particular reaction site will impinge upon a particular predetermined region of the CCD. The apparatus also has means for determining the light level impinging upon each of the predetermined regions and means to record the variation of light level with time for each of the reaction sites. Also disclosed is a method of identifying a target base in a DNA sequence using such an apparatus.--